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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0099393 A1****Johnson**(43) **Pub. Date:****May 12, 2005**(54) **BUTTON ASSEMBLY FOR INPUT DEVICES****Publication Classification**(76) Inventor: **Peter W. Johnson**, Seattle, WA (US)(51) **Int. Cl.<sup>7</sup>** ..... **G09G 5/08**(52) **U.S. Cl.** ..... **345/163**

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(57)

**ABSTRACT**

A button assembly has a housing having a palm portion configured to fit a hand of a user. A spring beam having a first spring beam end and a second spring beam end is supportively attached to the palm portion of the housing with a first fulcrum so as to form a first cantilever beam extending away from the palm portion of the housing. A switch button having a first switch button end and a second switch button end is supportively attached at the first switch button end to the second spring beam end with a second fulcrum so that the switch button forms a second cantilever beam extending from the second fulcrum towards the palm portion of the housing.

